WEEK	DRIVE SYSTEMS	POWER & CHARGING	PHYSICAL DESIGN	NAVIGATION	EXTERNAL COMM.	BIOMETRICS	UI	OTHER - 100%
OCT 18TH 2021								Complete literature Review. Write safety Plan. Update CAD drawings
OCT 25TH 2021	Gearbox ratio, dimentional analysis	Power calculations, dimentional analysis	Weight estimation, dimensions, tipping calculations, center of mass	Accuracy, dimentional analysis	Numerical Calculations, dimentional analysis	Numerical Calculations, dimentional analysis	Numerical Calculations, dimentional analysis	Statement of individual goals, Update Website
NOV 1ST 2021		Designing wireless charging PCB layouts. Design power distribution PCB layouts	Development of Schematics, final dimensioning, base plate construction. Generate drawings and prepare all materials for the machine shop.	Devolope Wiring Diagram of demo-bot. Present Design review of schematic. Order Parts once reviewed				
NOV 8TH 2021	Assembling drive system	Completion and verification of wireless charging PCB design. Completion and verification of power distribution PCB design	Construction of self-fabricated physical components			Programming fingerprint software	Design additional modules for UI system	All parts given with final designs to machine shop
NOV 15TH 2021	Programming of drive system	Order wireless charging and power distribution PCBs.	Assembly of physical robot		Completion of external communication website	Completion of fingerprint biometric module	Design verification for UI modules	
THANKSGIVING								
NOV 29TH 2021	Testing of drive system	Testing of wireless charging transmitter, receiver, and driving amplifier. Development of power distribution system.	Completion of robot assembly (skeleton)			Test fingerprint module	Development of external communication UI Module	
DEC 6TH 2021	Integrate drive systems and physical robot	Wireless charging transmitter and receiver as well as driving amplifier are completed. Testing of power distribution system				Development/programming of facial recognition software	Development of navigation UI module	Completion of individual systems (Drive system and physical robot)
DEC 13TH 2021		Completion of power distribution system.		Navigation robot complete		Development/programming of facial recognition software	Completion of navigation UI module, and external communication UI Module	Physical Design, Drive system integrated and complete.
DEC 20TH 2021	FINAL EXAMS							
WINTER BREAK								

Date								
JAN 24TH 2022		Wireless charging microcontroller coding and optimization. Submission of parts and schematics for wall charging station. Development of battery management system - working with UI team	Complete design of locking cargo system complete with CAD drawings and simulations	Developing navigation software	Develop software for external communication	Completion of facial recognition software	Designing biometric UI module	
JAN 31ST 2022		Wireless charging microcontroller coding and optimization. Fabrication of wireless charging wall station - include addition of router. Development of battery management system - working with UI team	Construction of cargo locking system and drawers	Complete navigation software development	Simulation of external communication system	Testing of biometric recognition software	Completion of biometric UI module, and Cargo UI module, battery management UI module	
FEB 7TH 2022		Testing of wireless charging microcontroller system. Development of battery management system - working with UI team	Finish construction and testing of cargo locking system	Debugging navigation software	Testing of communication between "robot" and computer.	Integration of facial recognition and UI	Integration of facial recognition and UI	Integration of existing modules and designed modules
FEB 14TH 2022		Integration of all wireless charging pieces and testing of system. Verification of wireless charging wall station operation. Testing of battery management system		Navigation system complete			Testing of user interface	
FEB 21TH 2022		Wireless charging system complete. Completion of battery management system			External communication system complete		Completion of user interface	
FEB 28TH 2022	Integration of all systems	Integration of all systems	Integration of all systems	Integration of all systems	Integration of all systems	Integration of all systems	Integration of all systems	Integration of all systems
MARCH 7TH 2022	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design	Integration of all systems, Completion of final design
SPRING BREAK								
MARCH 21TH 2022	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing
MARCH 28TH 2022	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing	Final system testing